United States of America

FCC 351 -1 May 1984

FEDERAL COMMUNICATIONS COMMISSION

File No.: BP-830826AA

Call Sign: NEW

AM BROADCAST STATION CONSTRUCTION PERMIT

1. Permittee: SPRING ARBOR COLLEGE Average hours of sunrise and sunset: Standard Time (Non-Advanced) 2.Station location : Spring Arbor, Michigan Jan. 8:00 am to 5:30 pm 3. Transmitter location 1.6 miles W. of Horton on Feb 7:30 am to 6:15 pm Cochran Road. Mar 6:45 am to 6:45 pm Horton, Michigan Apr 6:00 am to 7:15 pm May 5:15 am to 7:45 pm 08" North Latitude: 42° June 5:00 am to 8:15 pm West Longitude 84° 32' 56" July 5:15 am to 8:15 pm 4.Main studio location (Listed only if not at Aug 5:45 am to 7:45 pm Sept 6:15 am to 6:45 pm transmitter site or not within Oct. 6:45 am to 6:00 pm boundaries of principal community) Nov 7:30 am to 5:15 pm Dec 8:00 am to 5:00 pm

5. Remote control location

Type accepted

See Section 73.1660, 73.1665 and 73.1670 of the Commission's

Bules.)

7.Antenna and ground system: Vertical, guyed, shunt-excited, steel radiator of uniform cross-section. Overall height: 329 feet; Height of radiator: 326 feet; .51 wavelength. 120 buried copper wire radials 160 feet long. Theoretical efficiency is 302.5 mV/m/Km.

8. Obstruction marking and lighting specifications: FCC Form 715, paragraphs: 1, 3, 12 & 21.

9. Operating Assignment

Deted:

1540 Khz Frequency:

Power-Night:

0.25 Kw (Non-directional)

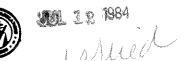
Hours of Operation Daytime Attached

11 Deadline for completion of construction and filing FCC Form 302: 12 months from date of grant (shown below)

Subject to the provisions of the Communications Act of 1934, as amended, treaties, and Commission Rules, and further subject to conditions set forth in this permit, authority is hereby granted to construct an AM broadcast station located and described as above. Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission Rules. This permit shall be forfeited if the station is not ready for operation within the time specified or within such further time as the Commission may allow unless completion of the station is prevented by causes not under the control of the permittee. See Section 1, 599 of the Commissions Rules.

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FEDERAL **COMMUNICATIONS** GRANTED COMMISSION



Spring Arbor College Spring Arbor, Michigan BP-830826AA

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Justification For a Non-Routine Grant

This application proposes to provide a first AM transmission service to Spring Arbor, Michigan.

The applicant indicates that the proposal would fail to provide a 25~mV/m signal over the business district of Spring Arbor. Consequently, a waiver of Section 73.24(j) of the Rules is requested.

The proposed facility places in excess of the required 5 mV/m over the entire community.

In addition, the applicant notes that there is no defined "central business district" in the village which is substantially residential in character and contains no heavy industry or unusually high levels of electrical noise. The proposed antenna tower is existing and in use for the college FM station WSAE(FM). Co-location of the facilities will enable the college to use a common tower, a common remote facility, and simplify the operation of the station.

Consequently, the requested waiver of 73.24(j) appears warranted.

THE AUTHORITY GRANTED IS SUBJECT TO THE FOLLOWING CONDITIONS:

Permittee shall install a type accepted transmitter or perform measurements made in accordance with Section 73.48 of the Rules and include such data in the station file.

The proposed antenna shall be excited with a symmetrical folded unipole feed, utilizing a minimum of three folds (no slant wire is authorized).

Before program tests are authorized, permittee shall submit sufficient data to establish that the inverse distance field at one mile is essentially 188 mV/m/KW, as proposed.